

ARG-4-OPZV-280 DATA SHEET

TECHNICAL CHARACTERISTICS	
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	301
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	224
Number of plates (+) per cell	4
Floating voltage set point (V/cell)	2,25
Maximum initial charge current (A)	67 (0,3 C ₁₀)
Recommended Boost Charge Voltage (V/cell)	2,35
Recommended End of Discharge voltage for 120h rate (V/cell)	1,85
Short circuit current (A)	2460
Internal resistance (mΩ)	0,830
Number of cycles at 60% depth of discharge (20°C)	2500
Self-discharge rate per month at 20 °C	Approx. 2%
Dimensions in mm (LxWxH1/H2) H1 = Height to the lid H2 = Height including connectors & bolts	103 x 206 x 354 / 382
Weight (kg)	18,3
Type and number of poles	M10 / 2

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

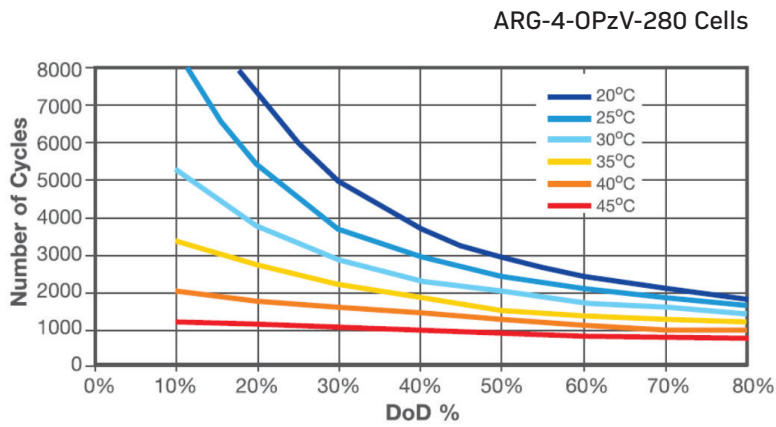
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	22,40	19,30	12,58	10,77	5,86	5,65	4,07	3,01	2,54	1,84	1,31
1,83 V	21,53	18,58	12,16	10,42	5,70	5,49	3,96	2,93	2,48	1,80	1,28
1,85 V	20,76	17,93	11,77	10,09	5,54	5,34	3,86	2,86	2,42	1,76	1,25
1,90 V	18,16	15,74	10,41	8,95	4,96	4,79	3,48	2,59	2,19	1,61	1,15
1,92 V	16,84	14,62	9,72	8,37	4,67	4,51	3,28	2,45	2,08	1,52	1,09
2,00 V	9,91	8,72	6,03	5,27	3,07	2,97	2,20	1,67	1,41	1,04	0,73

CONSTANT POWER DISCHARGE IN W/CELL (AT 20°C)

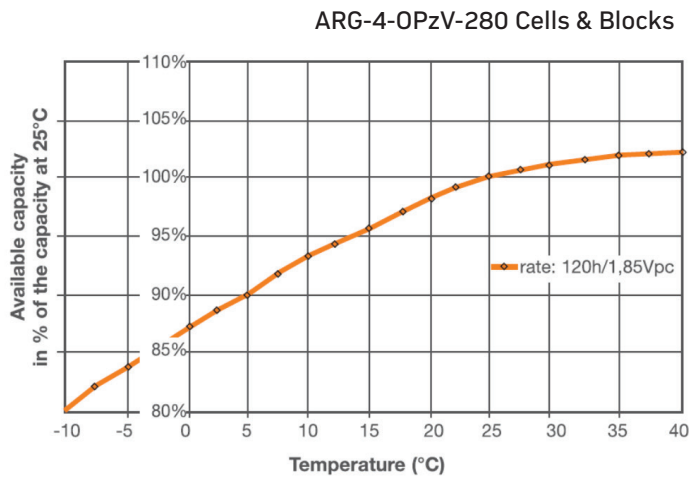
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	42,63	36,86	24,26	20,82	11,48	11,07	8,02	5,96	5,04	3,68	2,63
1,83 V	41,11	35,60	23,51	20,20	11,18	10,79	7,83	5,82	4,93	3,61	2,58
1,85 V	39,75	34,45	22,81	19,62	10,89	10,51	7,64	5,70	4,83	3,54	2,53
1,90 V	35,12	30,52	20,35	17,55	9,84	9,50	6,94	5,20	4,41	3,25	2,33
1,92 V	32,72	28,48	19,07	16,47	9,29	8,97	6,57	4,93	4,19	3,09	2,22
2,00 V	19,66	17,34	12,07	10,56	6,22	6,02	4,48	3,43	2,90	2,14	1,52



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



GUIDANCE FOR THE INITIAL LOW VOLTAGE DISCONNECT SETTINGS (25°C REFERENCE TEMPERATURE)

